QUICKSCAN - CANVAS

Planning Parking

NAME: Planning Parking
DATE: September 5, 2024 11:25 PM

DESCRIPTION OF TECHNOLOGY
Aa tool to improve the parking experience in the world and improves the planning of infrastructure especially during events.

HUMAN VALUES

If there is a man in the middle attack the attacker might be able to track the victim and see where they are going. This might cause the attacker to see patterns like going to the church and then later attacking them because he believes in something else as the attacker.

TRANSPARENCY

There will be a user guide and a explanation of how we handle the data and show the user that they will be anonymous while using the system. The software will also be open source so people can look into the code as well if they want to.

IMPACT ON SOCIETY

It solves the problem with parking in general where sometimes streets and parking lots are completely full and people need to search for a parking space by driving a few minutes around and hoping that someone will leave. It also helps with planning the infrastructure of an event because it can give you a nice foresight as to how many cars spaces you will need to preserve.

STAKEHOLDERS

- Gouvernment
- Visitors of a location
- City planners
- Parking lot managers
- Shop Owners
- Residential people

SUSTAINABILITY

The system will request energy for servers and also the battery of the phones the users are using also request more energy. This energie will however be won back when the CO2 of traffic will decrease sinds the system will prevent traffic jams and aimlessly driving around trying to find a parking space.

HATEFUL AND CRIMINAL ACTORS

People who might want to do harm is that they if they get a hold of the encryption keys that wil be used for communication. They might be able to track people down and so can maybe plan an attempt to rob them when they are away.

DATA

One problem is that the algorithm that is checking where a parkingspace is available might be very biased which will cause certain areas be more occupied with cars than others where as people didn't use the app the cars might be more spread out over a larger space.

FUTURE

It could be integrated into self driving cars so that they can automatically plan their route and knop where to park.

PRIVACY

Yes but it will be stored locally. The personal data will be a calendar where you can reserve a parking space in advantage. The program doesn't need any names or email addresses because it will use unique QR codes or randomly generated encrypted keys and stores most data locally.

INCLUSIVITY

The technology might be very biased which will cause certain areas be more occupied with cars than others where as people didn't use the app the cars might be more spread out over a larger space.

FIND US ON WWW.TICT.IO

THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON WWW.TICT.IO

QUICKSCAN - CANVAS - HELPSIDE

Planning Parking

NAME: Planning Parking
DATE: September 5, 2024 11:25 PM

DESCRIPTION OF TECHNOLOGY
Aa tool to improve the parking experience in the world and improves the planning of infrastructure especially during events.

HUMAN VALUES

How is the identity of the (intended) users affected by the technology?

To help you answer this question think about sub questions like:

- If two friends use your product, how could it enhance or detract from their relationship?
- Does your product create new ways for people to interact?…

TRANSPARENCY

Is it explained to the users/stakeholders how the technology works and how the business model works?

- Is it easy for users to find out how the technology works?
- Can a user understand or find out why your technology behaves in a certain way?
- Are the goals explained?
- Is the idea of the technology explained?
- Is the technology company transparent about the way their…

IMPACT ON SOCIETY

What is exactly the problem? Is it really a problem? Are you sure?

Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine…

STAKEHOLDERS

Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by…

When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.
…

SUSTAINABILITY

In what way is the direct and indirect energy use of this technology taken into account?

One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy. Are improvements possible?

HATEFUL AND CRIMINAL ACTORS

In which way can the technology be used to break the law or avoid the consequences of breaking the law?

Can you imagine ways that the technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Steal things. Fraud/ identity theft and so on. Or will people use the technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder…

DATA

Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into…

There are fundamental issues with data. For example:

- Data is always subjective;
- Data collections are never complete;
- Correlation and causation are tricky concepts;
- Data collections are often biased;…

FUTURE

What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

PRIVACY

Does the technology register personal data? If yes, what personal data?

If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Think hard about this question. Remember: personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If the technology collects special personal data (like…

INCLUSIVITY

Does this technology have a built-in bias?

Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data was collected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the case? Be critical. Be aware of your own biases.…

FIND US ON WWW.TICT.IO

THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON WWW.TICT.IO